AGRICULTURAL WATER SUPPLY/REUSE POND for IRRIGATION

COOPERATOR INFORMATION

This form is to be filled out by District Employees only. If you are a cooperator, please contact your local district office for the completion of this form.

BATCH

First Name *

Last Name *

Street Address *

Address Line 2

City *

Zip Code *

Project Identifier
(e.g. "Smith Irrigation Pond - Field 3" or "Irrigation Pond Repair - Tract 1234 Field 1") *

Type of operation: *

- ☐ Row Crop
- ☐ Specialty Crop (Fruits, Vegetables, Herbs)
- ☐ Green Industry (Greenhouse, Nursery, Floriculture, Turf Crops)
- ☐ Hay/Pasture
- ☐ Other, specify:

COOPERATOR OBJECTIVE

Specify project type: *

- ◯ NEW Agricultural Water Supply/Reuse Pond
- ◯ Agricultural Pond REPAIR/RETROFIT

Select the scenario below that best matches the intended purpose for the proposed pond *

- ◯ INCREASE YIELD/ADD VALUE OF CROP CURRENTLY BEING GROWN – The cooperator has grown this crop in the past on this tract but has never irrigated. They plan to start irrigating regularly to increase yield/add value.
- ◯ PROVIDE STORAGE TO SAFEGUARD AGAINST FUTURE DROUGHTS - The cooperator has grown this crop on this tract in the past. They have rarely irrigated the crop. They would like to install a pond to store water in case of emergency drought need. They do not plan to irrigate regularly from the pond but only in times of severe drought.
- ◯ SUPPORT DIVERSIFICATION OF CROP ROTATION - The cooperator plans to add a new crop to their crop rotation that requires irrigation. The new pond will provide water storage to support the additional irrigation water and will be used regularly for irrigation.
- ◯ INCREASE CROP ACRES - The cooperator plans to increase the acreage of crops grown. The new pond will provide water storage to support irrigation of the expanded acreage. The new pond will be used regularly for irrigation. The new pond is needed because existing water sources will not support the expansion.
- ◯ MEET EXISTING NEEDS – The cooperator currently irrigates regularly but the existing water supply/storage is inadequate for meeting all the cooperator's objectives. The cooperator may be able to irrigate a portion of his acreage but must make sacrifices due to insufficient water supply/storage. Reasons for inadequate supply/storage may include underperforming wells; ponds in need of repair; or ponds that lack enough storage volume
- ◯ EXPANSION OF OPERATION - The cooperator plans to expand the operation to a NEW tract or to a NEW area on the farm. The expansion may not significantly increase the acres of crops grown but will allow for better rotation of fields. The pond is needed to support the expansion because there is no adequate water supply available on this new tract or area of the farm.

Provide a detailed explanation of the Cooperator's objectives as they relate to irrigation. Please include a description of how an Agricultural Water Supply/Reuse pond will be used to meet the Cooperator's objectives. *

POND SITE INFORMATION

County of Pond Site *

Tract - Field *

Pond Site Coordinates (DECIMAL DEGREES)

LATITUDE *

LONGITUDE *

Existing water sources on site: *

- [ ] Pond/Lake
- [ ] Well
- [ ] Municipal
- [ ] Stream/River
- [ ] Ditch
- [ ] NONE
- [ ] Other:

Is the cooperator using any of these water sources for irrigation? *

- ◯ Yes
- ◯ No

Why are the existing water sources not suitable for meeting the cooperators demands? *

- ◯ Existing water source does not provide sufficient supply (e.g. underperforming well)
- ◯ Financially impractical (e.g. municipal water supply)
- ◯ Existing water storage volume is insufficient
- ◯ Existing water storage needs to be repaired
- ◯ Location of existing water sources is not suitable

IRRIGATION MANAGEMENT - EXISTING

Information in this section should reflect the EXISTING cropping systems, acreages and irrigation management.

Does the cooperator currently irrigate any crops? *

- ◯ Yes
- ◯ No

Number of years irrigated in the last five years: *

Specify the crops and acreages currently being irrigated.

	Crop	Acres
1		
2		
3		
4		

Does the cooperator have an Irrigation Water Management Plan? *

- ◯ Yes
- ◯ No

Estimated volume of water used to irrigate crops (acre-feet):
(Provided by the cooperator or calculate using the AgWRAP Water Balance Tool) *

Percent of demand being met using existing water sources: *

Type of existing irrigation system *

- [ ] Center Pivot
- [ ] Linear Move
- [ ] Fixed Solid Set
- [ ] Microirrigation
- [ ] Travelling Gun
- [ ] Subsurface
- [ ] Other

List existing conservation practices implemented by the cooperator:

IRRIGATION MANAGEMENT - PLANNED

Information in this section should reflect the PLANNED cropping systems, acreages and irrigation management.

Specify the crops, existing acres, expansion acres (if applicable) and total acres that will be irrigated.

	Crop	Existing Acres	Expansion Acres	Total Acres (Existing + Expansion)
1				
2				
3				
4				

Estimated total volume of water that will be used to irrigate planned crops (acre-feet):
(Provided by the cooperator or calculate using the AgWRAP Water Balance Tool) *

Type of planned irrigation system *

- [ ] Center Pivot
- [ ] Linear Move
- [ ] Fixed Solid Set
- [ ] Microirrigation
- [ ] Travelling Gun
- [ ] Subsurface
- [ ] Other

Does the cooperator own or have access to the equipment required for the planned irrigation system? *

- ○ Yes
- ○ No
- ○ If No, please explain

List additional and alternative practices that will be planned to address irrigation management concerns:

SITE CHARACTERISTICS -PROPOSED POND

The values in this section are based on a proposed pond site and simple measurements. These values are intended to provide a rough estimate of pond site characteristics and are subject to change when a more detailed site investigation is conducted.

Type of pond: *

- ○ Excavated
- ○ Embankment
- ○ Combination

Watershed Drainage Area (acres) Calculate Watershed Drainage Area using GIS or https://streamstats.usgs.gov/ss/ *

Pond Surface Area (acres) *

Pond Volume (acre-feet)
Pond volume = Pond Surface Area X Max Water Depth (If actual depth is unknkown use 8 ft as an estmate) *

What method(s) will be used for filling the pond? *

- [ ] Surface runoff
- [ ] Well
- [ ] Pump from adjacent stream/river
- [ ] Groundwater Recharge
- [ ] Other

AgWRAP WATER BALANCE

What percent of demand will be met by the proposed pond?
This figure must be calculated using the AgWRAP Water Balance Tool. The inputs for the tool should match the information recorded in this form (Crop acres, Pond Volume, Watershed size). *

ADDITIONAL INFORMATION

Provide any additional information in the space below

REQUIRED DOCUMENTS

AgWRAP Cooperator Acknowledgement Form *

Choose File No file chosen

AgWRAP Water Balance Tool Results *

Choose File No file chosen

Site Map
Indicate the proposed pond location and the fields to be irrigated. *

Choose File No file chosen

District Ranking Form *

Choose File No file chosen

District Letter of Support *

Choose File No file chosen

OPTIONAL DOCUMENTS

Conservation Plan

Choose File No file chosen

Conservation Plan Map

Choose File No file chosen

TECHNICAL REPRESENTATIVE

Name *

Email *

Phone *